

II. SPECIFICATION AMENDMENTS

On page 1, after the title insert the headings:

BACKGROUND OF THE INVENTION

1. Field of the Invention

On page 1, after line 20, insert the heading:

2. Brief Description of Related Developments

On page 4, after line 9, insert the heading:

SUMMARY OF THE INVENTION

On page 6, after line 8, insert the heading:

DESCRIPTION OF THE DRAWINGS

On page 6, after line 19, insert the heading:

DETAILED DESCRIPTION OF THE DISCLOSED EMBODIMENTS

On page 11, please replace the paragraphs beginning on line 19 as rewritten below:

Fig 5. shows in the form of simplified block diagram a terminal 500, advantageously a mobile station, according to the invention and its connection to a cellular telephone network. The mobile station comprises an antenna 501 for receiving radio-frequency (RF) signals transmitted by base stations. A received RF signal is directed by a switch 502 to a RF receiver 511 where the signal is amplified and converted digital. The signal is then detected and demodulated in block 512. Block 513 performs decryption and deinterleaving. Then follows signal processing in block 530. Received data may be stored as such in the mobile station's memory 504 or, alternatively, the processed packet data are taken after the signal processing to a potential external device such as a computer. A control unit controls the above mentioned reception blocks in accordance with a program stored in the unit. Transmission from the mobile station is performed e.g. as follows. Controlled by the control unit 503, block 533 performs possible signal processing on the data block 521 performs interleaving and encryption on the processed signal to be transmitted. Bursts are generated from the encoded data, block 522, which are modulated and amplified into a RF signal to be transmitted, block 523. The RF signal to be transmitted is led to the antenna 501 through the switch 502. Also these processing and transmission functions are controlled by the control unit 503. Also illustrated in Fig. 5 are a keypad 531 for inputting information or commands which may be stored in memory 504. A display 532 can be used to display data stored in the memory 532.

On page 11, please replace the paragraph beginning in line 18 as rewritten below:

The hardware requirements caused by the invention on prior art base stations are minimal. Base station 551 and/or base station controller 552, and switching center 553 have access to a database (not shown in Fig.5) containing neighbour cell information about the BCCH frequencies and service levels, such as the ability of neighbour cells to provide GPRS service, for example. To this database it is possible to add information according to the invention sent by the terminal about the cells for which the terminal indicates that a cell change to them is impossible at that moment, and also information about the cells to which a cell change could be successfully performed at that moment. On the basis of the information received the base station can then assign another cell to the terminal. The base station 551 is coupled to the terminal 500 via antenna 550.